Special Issue

Advanced Research in Non-Point Source Pollution of Watersheds

Message from the Guest Editors

Many lakes, reservoirs, and coastal and marine environments are reported to be severely affected by agricultural non-point source (NPS) pollution from upstream sub-watersheds. In particular, surface runoff during raining periods acts as an important cause of eutrophication. The NPS pollutants of excessive nitrogen and phosphorus, pesticides, and heavy metals are not compatible with agricultural green production. For scientific control of NPS pollution, the analysis of the causes of pollution, cost-effective treatments, and sustainable management are essential. Secondly, the wise selection and combined application of best management practices (BMPs) contribute to practical and cost-effective prevention and control of NPS pollution. In this Special Issue, the transfer and transformation of NPS pollutants relating to their losses from agricultural fields, the assessment of NPS pollution risks and aquatic ecosystem quality, and strategies and combined technology for cost-effective BMPs are welcomed. Novel practices to improve the treatment performances of wetlands, bioreactors, riparian and coastal buffer zones, etc., are encouraged.

Guest Editors

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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